

Minnesota Pollution Control Agency

May 12, 1988

EPA Region 5 Records Ctr.



347811

Ms. Amy Donahoe
Aligned Fiber Composites
Highway 52 South
Chatfield, MN 55923

Dear Ms. Donahoe:

RE: NPDES Permit No. 0048801

The Minnesota Pollution Control Agency (MPCA) is in the process of developing a National Pollutant Discharge Elimination System (NPDES) General Permit, which will be used for categories of applicants discharging up to one million gallons per day of non-contact cooling water and or up to one hundred thousand gallons per day of clean non-contact heat pump water. The General Permit is an alternative to individual NPDES permits and is intended to simplify the process of issuing a permit for applicants in the aforementioned category of dischargers.

A review of either our records or an application which you may have recently submitted for an NPDES permit indicates that you would be included in the category of dischargers eligible for a general permit. Because the process of developing the General Permit requires a lengthy review period by the U.S. Environmental Protection Agency, issuance of approved General Permits may be delayed until the early part of 1988. In the meantime, the MPCA will not take action for your failure to obtain a permit while we are in the process of developing the General Permit program provided that:

1. An application is completed and on file with this Agency.
2. The daily volumetric flow rate is within the above limits.
3. The discharge is included in the category mentioned above for heat pumps and/or non-contact cooling water.
4. Any use of chemical treatment additives has been reviewed by the Agency staff and the staff has not required the establishment of effluent limitations or monitoring requirements for this use (i.e., chemical additives are limited in individual NPDES permits only).

Phone: _____

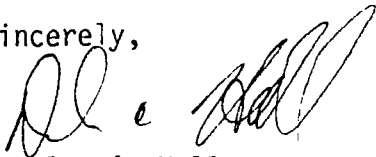
520 Lafayette Road, St. Paul, Minnesota 55155
Regional Offices • Duluth/Brainerd/Detroit Lakes/Marshall/Rochester
Equal Opportunity Employer

Ms. Amy Donahoe
Page 2

5. For applicants with existing permits, the Permittee continues to comply with the terms and conditions of their existing permit.
6. For applicants whose existing permits have expired, the Permittee continues to comply with the terms and conditions of their expired permit. This would include the continued submission of discharge monitoring reports.

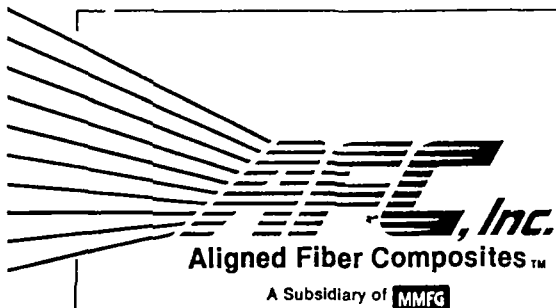
If you have any questions regarding this matter, please contact Raymond P. Reyes of my staff at (612) 296-8838.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. A. Hall', written over a horizontal line.

Douglas A. Hall
Supervisor, Permits Unit
Regulatory Compliance Section
Division of Water Quality

DAH:jms



Highway 52 South • Chatfield, MN 55923-9797
507/867-3479 FAX 507/867-4031

October 28, 1988

Jim Gaughan
Minnesota Pollution Control Agency
Groundwater and Solid waste Division
Solid Waste Section
520 Lafayette Road
St. Paul, MN 55155

Dear Mr. Gaughan:

Enclosed is a completed MPCA codisposal form for the 150 cubic yards of dehydrated settling pond sludge we wish to dispose of at the Albert Lea Sanitary Landfill. I plan to begin transporting the waste material to Albert Lea as soon as I have the Minnesota Pollution Control Agency's approval to do so.

Because cold weather is approaching rapidly, I would like to proceed with this project as soon as possible. If you need additional information, please call me at AFC. I appreciate your cooperation and look forward to receiving the necessary approvals from the MPCA.

Sincerely,

Dennis Thorson
Plant Engineer

DT/mh

Enclosures

EPA Region 5 Records Ctr.



347810

Minnesota Pollution Control Agency
Ground Water and Solid Waste Division
520 Lafayette Road North
St. Paul, Minnesota 55155

REQUEST FOR CO-DISPOSAL OF
NONHAZARDOUS INDUSTRIAL WASTE

> Read instructions on attached sheet.

This is an official request of :		Company Name AFC, Inc. Chatfield, MN 55923	
to dispose of nonhazardous industrial waste at:		Landfill Name Albert Lea Sanitary Landfill	
Waste Name/Description Dehydrated Settling Pond Sludge		Landfill Permit Number SW 85	
Process Which Produces Waste Cutting of fiberglass products		Quantity and Frequency of Disposal 150 cubic yards, one-time only	

Packaging: ☒ Bulk ☐ Drums ☐ Bags/Cartons
☐ Open ☐ Sealed ☐ Other (specify) _____

Physical state: ☒ Solid ☐ Liquid ☐ Semi-Solid

Properties Evaluated: Attach laboratory reports, Material Safety Data Sheets,
and/or sited references.

☐ Non-ignitable ☐ Non-reactive ☐ Non-oxidative

Flash point pH

Toxicity	Oral LD ₅₀	Dermal LD ₅₀	Inhalation
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Parameter*	EP Acid Leach Test (mg/l)	ASTM Water Leach Test (mg/l)
Arsenic (As)	See attached	sheets "A", "B", and "C"
Barium (Ba)		
Boron (B)		
Cadmium (Cd)		
Chlorides (Cl)		
Chromium (Cr+6)		
COD		
Copper (Cu)		
Cyanide (CN-)		
Fluoride (F)		
Iron (Fe)		
Lead (Pb)		
Manganese (Mn)		
Mercury (Hg)		
Nickel (Ni)		
Nitrate (NO ₃)		
Oil and Grease		
Phenol (C ₆ H ₅ OH)		
Selenium (Se)		
Silver (Ag)		
Sulfates (SO ₄)		
TDS		
Zinc (Zn)		
Endrin		
Lindane		
Methoxychlor		
Toxaphene		
2,4 D		
2,4,5-TP		
PCB		

Company Certification:

I certify that this request to co-dispose of AFC's (company) nonhazardous industrial waste is complete and that to the best of my knowledge and belief the information contained herein is true and accurate. I understand that the Commissioner must grant approval of this request prior to disposal and if approved, the Commissioner may impose certain conditions on the disposal which are not included in this request. I also certify that if the Commissioner's approval is granted, only those wastes in the quantities, amounts, and form identified on page one of this request will be sent to the landfill for disposal. If a waste is approved for continuous disposal, and if for any reason the generator becomes aware of a change in the chemical composition, properties, or the process producing the waste, the generator agrees to notify the Commissioner of the change and provide an updated waste analysis if required by the Commissioner.

Signature <i>Dennis Thorson</i>	Title Plant Engineer	Date 10-25-88
Typed Name, Address, and Telephone Number of Authorized Official Dennis Thorson, Hwy 52 South, Chatfield, MN 55923 507-867-3479		

Landfill Permittee Request

This is an official request of the ALBERT LEA SANDWICH LANDFILL, SW-85, (landfill name, permit number) to accept and dispose, if approved by the Commissioner, AFC's (company name) nonhazardous industrial waste referenced on the reverse side. The needed requirements for the request are completed below.

Location of Landfill: Section 32, T 103, R 21 W, in CITY OF ALBERT-LEA
BANCROFT Township of FREEBORN County.

Disposal Method: ("X" one)

- ☒ Co-disposal (daily covering, compaction, mix with municipal refuse)
- ☐ Separate Disposal (cell away from working face area)
- ☐ Land Application (thin spread, i.e. three to six inches)

Minnesota Pollution Control Agency Instructions
for Completion of a Codisposal Request

Complete the form being sure that each item is considered and that the required data is submitted which makes the request form complete. If an item clearly does not apply, use the letters NA for Not Applicable. Make sure the form is signed by both the generator and the landfill permittee. In order to determine the proper disposal practice, both hazardous and nonhazardous industrial wastes must be evaluated. In order to classify a waste and to determine suitable disposal practices, a series of tests is generally required. To properly complete the waste evaluation section of the form, please follow the guidelines listed below as they apply to your waste.

I. Classification of Hazardous Waste

Evaluation of solid waste in order to classify the waste as hazardous or not is outlined in Minnesota Rules, Part 7045.0131. A copy of the Hazardous Waste Rules Part 7045, may be obtained from the State of Minnesota, Documents Division, 117 University Avenue, St. Paul, Minnesota 55155.

The Minnesota Pollution Control Agency (MPCA) recommended leach test (Minnesota Rules, Part 7045.0131, Subpart 7 and 8) for use in waste classification is the EP Toxicity Test (acid leach) Procedure found in the June 29, 1987 MPCA Hazardous Waste Rules, Chapter 7045.

II. Evaluation of Waste to Determine Disposal Methods

Following classification of a solid waste, the waste should then be evaluated to determine proper disposal practices. The way in which a waste should be handled and disposed of can be determined by identifying its chemical composition and, if necessary, performing a leach test of the waste.

A. Chemical composition of the waste: The term "chemical composition" is defined by MPCA Rules and Regulations as either: 1) "a standard chemical nomenclature such as those adopted by the International Union of Pure and Applied Chemistry or the Chemical Abstract Service," or 2) "a common chemical name when it is documented to the Director that the number of isomers, related compounds of similar chemical structure and property, etc., make chemical analysis or delineation impractical." These two definitions imply that the chemical composition of a waste may be determined quantitatively by:

1. Identifying the constituents of the waste, utilizing standard analytical procedures (see current editions of reference cited below); or
2. Listing the major components of the waste based upon knowledge of the raw materials and processes used to produce the waste.

Landfill Certification:

I certify that this request of Albert Lea Sanitary Landfill, SW 85,
(landfill name, permit number) to accept and dispose, if approved by the Commissioner,
AFC's (company name) nonhazardous industrial waste is
complete and that to the best of my knowledge and belief the information contained
herein is true and accurate. I understand that this request for disposal must be
approved by the Commissioner before disposal will be allowed.

Signature <i>Richard A. Johnson</i>	Title <i>City Engineer</i>	Date <i>10/27/88</i>
Typed Name, Address, and Telephone Number of Authorized Official Richard A. Johnson City of Albert Lea 221 E. Clark St. Albert Lea, MN 56007 Telephone #: (507)377-4325		

SHEET "A"

AFC, INC. MANUFACTURES STRUCTURAL FIBERGLASS MATERIALS WHICH CONTAIN APPROXIMATELY 50 TO 70% GLASS BY WEIGHT WITH THE BALANCE BEING MADE UP OF VARIOUS POLYESTER AND VINYL ESTER RESIN SYSTEMS. SHEET "B" CONTAINS A LIST OF RAW MATERIALS USED IN OUR MAJOR RESIN SYSTEMS. I'VE ENCLOSED MATERIAL SAFETY DATA SHEETS FOR EACH SUBSTANCE LISTED.

THE ADDITION OF A CATALYST TO A RESIN SYSTEM CREATES A CHEMICAL REACTION WHERE THE RESIN MIX WILL HEAT UP AND SOLIDIFY, RESULTING IN A POLYMERIZED MATERIAL THAT IS INERT. ONLY PARTICLES FROM THIS HARDENED MATERIAL ENTER THE SETTLING PONDS. THEY POSE NO CHEMICAL HAZARD EITHER NOW OR IN THE FUTURE. ESSENTIALLY, THE SEDIMENT IN THE PONDS IS SIMPLY INERT PIECES OF PLASTIC AND GLASS.

THE POND SLUDGE CONTAINS NO METALS, UNCURED MATERIAL OR OIL. ALSO ENCLOSED IS A COPY OF OUR LATEST WATER ANALYSIS FROM THE DISCHARGE OF THE THIRD SETTLING POND. (SEE ATTACHED SHEET "C".)

SHEET "B"

<u>TRADE NAME</u>	<u>GENERAL DEFINITION</u>
ASHLAND 7221	UNSATURATED POLYESTER RESIN
ASHLAND 7030	UNSATURATED POLYESTER RESIN
HETRON 1540	UNSATURATED POLYESTER RESIN
CARGILL 8491	UNSATURATED POLYESTER RESIN
COREZ 8300-35	VINYL ESTER RESIN
COREZ 8770-1	VINYL ESTER RESIN
COREZ 8400	VINYL ESTER RESIN
LP 90	LOW PROFILE ADDITIVE
STYRENE	STYRENE
ESPEROX 10	CATALYST
ESPEROX 28	CATALYST
PERCADOX 16	CATALYST
USP 245	CATALYST
SYPRON 1301	MOLD RELEASE
ZELEC UN	MOLD RELEASE
EQ 6	MOLD RELEASE
CM 2029	PIGMENT
CM 8000	PIGMENT
SP 9127	ATIMONY DISPERSION
PDI 1104	PIGMENT
PDI 1199	U.V. STABILIZER
FN 510	POLYETHELENE POWDER
HYFLEX 632	HYDRATED ALUMINA
DE 83 R	FLAME RETARDANT
ATOMITE	CALCIUM CARBONATE
3M B23/500	GLASS BUBBLES

Sheet "C" 4



A Division of Davy Engineering Co.

115 So. 6th St.
Box 2076
La Crosse, WI 54601
(608) 782-3130

DISCHARGE MONITORING
REPORT FORM

Name and Address To Which Report is Mailed

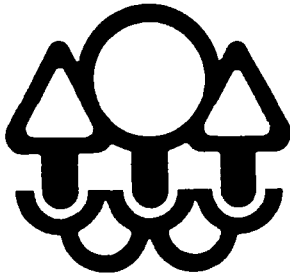
Aligned Fiber Composites
Highway 52 South
Chatfield, MN 55923

PERMIT NUMBER			MONTH APR 1998											
SAMPLE PT DESCRIPTION	Oils & Grease	pH	S.S.	Turbidity										
PARAMETER NAME	(mg/l)	su	(mg/l)	NTU										
PARAMETER UNITS														
MONTHLY AVERAGE	<1.1	—	3	1.60										
DAILY MAXIMUM	<1.1	8.20	3	1.60										
DAILY MINIMUM	<1.1	8.20	3	1.60										
NUMBER OF VALUES REPORTED	1	1	1	1										
PERMIT REQUIREMENTS	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT	LIMIT
MONTHLY AVERAGE														
DAILY MAXIMUM														
DAILY MINIMUM														
WEEKLY AVERAGE														
FREQUENCY OF SAMPLING														
STANDARD METHODS NO.	507	507	209C	209C			909C	417G						
REMARKS.	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13	<1.1	8.20	3	1.60									
	14													
	15													
	16													
	17													
	18													
	19													
	20													
	21													
	22													
	23													
	24													
	25													
	26													
	27													
	28													
	29													
	30													
	31													
TOTAL	<1.1	—	3	1.60										

I hereby certify that to the best of my knowledge and belief the above information is true, complete and accurate and that the analysis was performed under my supervision

DAVY LABORATORIES - WI DNR ID# 632021390

BY *[Signature]*



Minnesota Pollution Control Agency

December 22, 1988

Mr. Dennis Thorsen
Plant Engineer
AFC, Inc.
Highway 52 South
Chatfield, Minnesota 55923

Mr. Richard A. Johnson
City Engineer
Albert Lea Sanitary Landfill
City of Albert Lea
Albert Lea, Minnesota 56007

Dear Messrs. Thorsen and Johnson:

AFC, Inc. was authorized by the Minnesota Pollution Control Agency (MPCA) on October 16, 1984, to dispose of its dehydrated settling pond sludge at the Olmsted County Sanitary Landfill, SW-5. Since that time the Olmsted County Sanitary Landfill has ceased accepting mixed municipal solid waste and industrial waste, such as AFC's settling pond sludge, and is operating as a demolition landfill and is restricted to accepting only demolition waste.

Pursuant to your request received October 31, 1988, the MPCA agrees to transfer the dehydrated settling pond sludge co-disposal approval of October 16, 1984, from Olmsted County Demolition Landfill to Albert Lea Sanitary Landfill. Disposal shall be limited to a one-time disposal of 150 cubic yards of dehydrated settling pond sludge as identified on the Co-disposal Request Form dated September 27, 1988.

All other conditions remain unchanged.

Please be advised that revisions to state solid waste rules effective November 15, 1988, specifically Minn. Rules pt. 7035.2535, subp. 5, require owners and operators of solid waste management facilities to develop an industrial waste management plan for industrial waste delivered to the facility. Until such time that the facility plan is approved by the MPCA, authorizations and conditions contained in co-disposal approval letters remain in effect.

If you have any questions or comments, please contact Jim Gaughan of my staff at 612/296-7740.

Sincerely,

James L. Warner, P.E.
Chief, Solid Waste Section
Ground Water and Solid Waste Division

JLW/JG:jcj

cc: Don Abrams, MPCA, Rochester

Phone: _____

520 Lafayette Road, St. Paul, Minnesota 55155
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